

STN INTERNATIONAL SESSION SUSPENDED AT 09:46:38 ON 09 AUG 2001

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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS	3	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS	4	Oct 09	Number of Derwent World Patents Index updates increased
NEWS	5	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS	6	Oct 22	Over 1 million reactions added to CASREACT
NEWS	7	Oct 22	DGENE GETSIM has been improved
NEWS	8	Oct 29	AAASD no longer available
NEWS	9	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS	10	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS	11	Nov 29	COPPERLIT now available on STN
NEWS	12	Nov 29	DWPI revisions to NTIS and US Provisional Numbers
NEWS	13	Nov 30	Files VETU and VETB to have open access
NEWS	14	Dec 10	WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
NEWS	15	Dec 10	DGENE BLAST Homology Search
NEWS	16	Dec 17	WELDASEARCH now available on STN
NEWS	17	Dec 17	STANDARDS now available on STN
NEWS	18	Dec 17	New fields for DPCI
NEWS	19	Dec 19	CAS Roles modified
NEWS	20	Dec 19	1907-1946 data and page images added to CA and Caplus
NEWS EXPRESS			August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:17:39 ON 24 JAN 2002

=> file reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.15	0.15

FILE 'REGISTRY' ENTERED AT 13:17:56 ON 24 JAN 2002
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STRUCTURE FILE UPDATES: 22 JAN 2002 HIGHEST RN 385763-58-6
DICTIONARY FILE UPDATES: 22 JAN 2002 HIGHEST RN 385763-58-6

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e 2-chhloromandelic acid/cn

E1	1	2-CETYLTIOETHYLAMINE HYDROCHLORIDE/CN
E2	1	2-CHAIN UROKINASE/CN
E3	0 -->	2-CHHLOROMANDELIC ACID/CN
E4	1	2-CHIMYL ALCOHOL/CN
E5	1	2-CHLORACETAMIDOTRIDECAHNE/CN
E6	1	2-CHLORADAMANTANE/CN
E7	1	2-CHLORALLYL DIETHYLDITHIOCARBAMATE/CN
E8	1	2-CHLORAMPHETAMINE/CN
E9	1	2-CHLORBENZALDEHYDE-4'-FLUOROPHENYLHYDRAZONE/CN
E10	1	2-CHLORBENZALDEHYDE-4'-JODPHENYLHYDRAZONE/CN
E11	1	2-CHLORBENZALDEHYDE-M-BROMPHENYLHYDRAZONE/CN
E12	1	2-CHLORBENZYL METHACRYLATE-DIALLYL TETRACHLOROPHTHALATE

COPO

LYMER/CN

=> e 2-chloromandelic acid/cn

E1	1	2-CHLOROMALONIC ACID/CN
E2	1	2-CHLOROMANDELALDEHYDE/CN
E3	1 -->	2-CHLOROMANDELIC ACID/CN
E4	1	2-CHLOROMANDELONITRILE/CN
E5	1	2-CHLOROMELATONIN/CN
E6	1	2-CHLOROMERCURI-1,4,6-PREGNATRIENE-3,20-DIONE/CN
E7	1	2-CHLOROMERCURI-17.ALPHA.-METHYL-1,4,6-ANDROSTATRIENE-17.BET
		A.-OL-3-ONE/CN
E8	1	2-CHLOROMERCURI-2'-IODOAZOBENZENE/CN
E9	1	2-CHLOROMERCURI-2'-NITROAZOBENZENE/CN
E10	1	2-CHLOROMERCURI-3,3,3-TRIFLUORO-1-PROPANOL/CN
E11	1	2-CHLOROMERCURI-3-ACETOXYCYCLOHEXANONE/CN
E12	1	2-CHLOROMERCURI-3-HYDROXYCYCLOHEXANONE/CN

=> e3

L1 1 "2-CHLOROMANDELIC ACID"/CN

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
4.32	4.47

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 13:18:47 ON 24 JAN 2002
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FILE COVERS 1907 - 24 Jan 2002 VOL 136 ISS 4
FILE LAST UPDATED: 23 Jan 2002 (20020123/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAPLUS now provides online access to patents and literature covered in CA from 1907 to the present. Bibliographic information and abstracts were added in 2001 for over 3.8 million records from 1907-1966.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

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=> l1
L2 45 L1

=> conglomer?
L3 6262 CONGLOMER?

=> l2 and l3
L4 1 L2 AND L3

=> d l4 ti

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
TI Study of optical antipode mixtures. XII. Stability of true racemates

=> enrichment

59727 ENRICHMENT
3752 ENRICHMENTS
L5 62000 ENRICHMENT
(ENRICHMENT OR ENRICHMENTS)

=> l2 and l5

L6 0 L2 AND L5

=> mandelic acid

4518 MANDELIC
3281770 ACID
1276907 ACIDS
3743740 ACID
(ACID OR ACIDS)
L7 4180 MANDELIC ACID
(MANDELIC(W) ACID)

=> l5 and l7

L8 14 L5 AND L7

=> d l8 7-14 ti

L8 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2002 ACS
TI Anaerobic degradation of aromatic and halogenated aromatic compounds by pure and by **enrichment** cultures

L8 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS
TI Biotransformation and complete degradation of aromatic xenobiotics by **enrichment** cultures and by pure cultures of anaerobes

L8 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS
TI Resolution of chiral interconvertible diastereoisomers of a 2,18-bridged biliverdin mediated by first-order asymmetric transformation

L8 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS
TI Simultaneous gas chromatography of volatile and nonvolatile carboxylic acids as tert.-butyldimethylsilyl derivatives

L8 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS
TI Anaerobic degradation of phenylacetic acid by mixed and pure cultures

L8 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS
TI Emission spectrographic determination of rare earth metals in fluorite from Woelsendorf

L8 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2002 ACS
TI Chromatography of stereoisomers with "tailor-made" compounds

L8 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS
TI A multiplication process for separating racemates

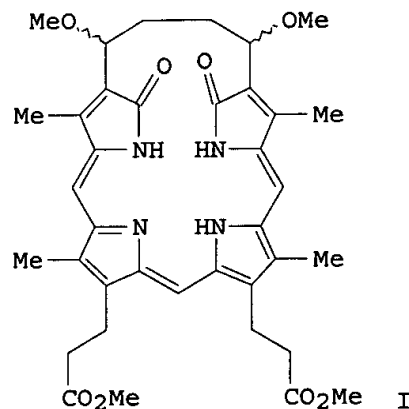
=> d l8 14 ti fbib abs

L8 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2002 ACS
TI A multiplication process for separating racemates
AN 1941:32557 CAPLUS
DN 35:32557
OREF 35:5102h-i,5103a
TI A multiplication process for separating racemates
AU Martin, H.; Kuhn, W.

SO Z. Elektrochem (1941), 47, 216-20
 DT Journal
 LA Unavailable
 AB If an optically active insol. adsorption medium is distributed throughout a liquid racemic system, unequal adsorption of the optical isomers will be accompanied by different heats of adsorption and different temp. coeffs. of adsorbability for the resp. isomers. If in such a system a temp. gradient is maintained, an **enrichment** of 1 antipode should occur in the liquid phase and of the other in the solid phase (unitary effect). If now the entire heterogeneous system is caused to circulate across the temp. gradient the resolving effect should be multiplied. Using wool as the insol. optically active adsorbent (in the form of an endless belt) and a soln. of inactive **mandelic acid** as the racemate and maintaining 1 surface of the system at 100.degree. while a parallel surface was kept at room temp., for 2 different speeds of motion of the wool strip at the end of 2 days $[\alpha]_D$ of -0.25.degree. and -0.35.degree. were obtained at 1 end of the app. and +0.00.degree. and +1.00.degree., resp., at the other end.

=> d. 18 9 ti fbib abs

L8 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS
 TI Resolution of chiral interconvertible diastereoisomers of a 2,18-bridged biliverdin mediated by first-order asymmetric transformation
 AN 1990:178441 CAPLUS
 DN 112:178441
 TI Resolution of chiral interconvertible diastereoisomers of a 2,18-bridged biliverdin mediated by first-order asymmetric transformation
 AU Krois, Daniel; Lehner, Harald
 CS Inst. Org. Chem., Univ. Wien, Vienna, A-1090, Austria
 SO J. Chem. Soc., Perkin Trans. 2 (1989), (12), 2085-90
 CODEN: JCPKBH; ISSN: 0300-9580
 DT Journal
 LA English
 GI



AB Chiral diastereoisomers of the bridged biliverdin I have been isolated from the four-component mixt. Repetitive **enrichment** of M-helical isomers with (R)-(-)-**mandelic acid** followed

by chromatog. sepn. afforded one enantiomer of each diastereomeric pair, i.e. (M-SS)- and (M-RR)-I. The enantiomeric purities achieved (.gtoreq. 95%) were checked by NMR techniques. The rotational strengths R (abs. values) of the visible C.D. bands exhibited by the diastereoisomers of I are close to one another and similar to those reported for open-chain bilatrienes. The influence of chirality centers on the helical excess (h.e.) and helicity of the bridged bilatriene moiety and its pronounced solvent dependence is discussed.

=> d 18 1-6 ti

L8 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Coupling of simulated moving bed chromatography and fractional crystallisation for efficient enantioseparation

L8 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Monitoring occupational exposure to styrene from hemoglobin adducts and metabolites in blood

L8 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Action of aerobic microorganisms on the macromolecular fraction of lignite

L8 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Degradation of aromatic compounds by purple nonsulfur bacteria

L8 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Process for resolving a racemic composition

L8 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Degradation of benzene compounds by yeasts in acidic soils

=> d 18 1,5 ti fbib abs

L8 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Coupling of simulated moving bed chromatography and fractional crystallisation for efficient enantioseparation

AN 2001:44029 CAPLUS

DN 134:180444

TI Coupling of simulated moving bed chromatography and fractional crystallisation for efficient enantioseparation

AU Lorenz, H.; Sheehan, P.; Seidel-Morgenstern, A.

CS Max-Planck-Institut fur Dynamik Komplexer Technischer Systeme, Magdeburg, Zenit-Gebaude, D-39120, Germany

SO J. Chromatogr., A (2001), 908(1-2), 201-214

CODEN: JCRAEY; ISSN: 0021-9673

PB Elsevier Science B.V.

DT Journal

LA English

AB An optimized coupling of liq. chromatog. and fractional crystn. is suggested for efficient enantiosepn. As a 1st stage, a chromatog. sepn., preferably simulated moving bed (SMB) chromatog., is applied to achieve

an

enantiomeric **enrichment** sufficient for a subsequent crystn.

First results of the exptl. and modeling work for the model system

(+)-/(-)-**mandelic acid** in an aq. soln. are described.

Chromatog. studies involve the estn. of adsorption isotherms on a

suitable

chiral stationary phase and the simulation and optimization of a

corresponding SMB process. From the ternary phase diagram measured for the (+)-/(-)-enantiomer/solvent system, the conditions required to crystallize a pure enantiomer from an asym. mixt. can be derived. The productivity gains achievable from the combined process compared to the application of chromatog. alone are discussed.

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS
TI Process for resolving a racemic composition
AN 1993:101242 CAPLUS
DN 118:101242
TI Process for resolving a racemic composition
IN Acs, Maria; Fogassy, Elemer; Szili, Timea
PA Budapest Muszaki Egyetem, Hung.
SO Hung. Teljes
CODEN: HUXXB
DT Patent
LA Hungarian
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	HU 60227	A2	19920828	HU 1991-661	19910227
	HU 207831	B	19930628		
AB	Enantiomeric mixts. of N-contg. bases are prepd. by resoln. of the racemates in a process involving mixing of the racemic N-contg. base with less than 1 equiv optically active O-acylated tartaric acid (in this particular case), permitting the mixt. to stand, and then at elevated temp. (reduced pressure if necessary) condensing the resultant vapors. Thus, 2.4 g racemic .alpha.-methylbenzylamine and 0.75 g L-(+)- mandelic acid (0.02 and 0.005 mol, resp.) are mixed and allowed to stand for 30 min. By means of external heating, this mixt. is then distd. at 0.02 bar (vapor temp. 30.degree.), with sudden decrease of vapor temp. marking the end of distn.; 1.1 g material is collected with [.alpha.]D20 = +1.6.degree.. If 1.2 g racemic .alpha.-methylbenzylamine is used, all else as above, then 0.3 g material is collected with [.alpha.]D20 = 6.6.degree.. Amplification of sp. rotation is achieved by repetition of the distn. procedure with optically active distillate.				

=> logoff hold

	SINCE FILE ENTRY	TOTAL SESSION
COST IN U.S. DOLLARS	25.63	30.10
FULL ESTIMATED COST		
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.48	-2.48

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:29:09 ON 24 JAN 2002

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Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:ssspta1623paz
PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 14:08:45 ON 24 JAN 2002

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	25.63	30.10
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.48	-2.48

=> d his

(FILE 'HOME' ENTERED AT 13:17:39 ON 24 JAN 2002)

FILE 'REGISTRY' ENTERED AT 13:17:56 ON 24 JAN 2002
E 2-CHHLOROMANDELIC ACID/CN
E 2-CHLOROMANDELIC ACID/CN

L1 1 E3

FILE 'CAPLUS' ENTERED AT 13:18:47 ON 24 JAN 2002

L2 45 L1
L3 6262 CONGLOMER?
L4 1 L2 AND L3
L5 62000 ENRICHMENT
L6 0 L2 AND L5
L7 4180 MANDELIC ACID
L8 14 L5 AND L7

=> resolution

76432 RESOLUTION
829 RESOLUTIONS
76901 RESOLUTION
(RESOLUTION OR RESOLUTIONS)
221701 RESOLN
4943 RESOLNS
224292 RESOLN
(RESOLN OR RESOLNS)
L9 257110 RESOLUTION
(RESOLUTION OR RESOLN)

=> 19(1)12

L10 4 L9(L)L2

=> d l10 1-4 ti

L10 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of optically active 2-chloromandelic acid and its
intermediate
diastereomer salts

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of optically active ketene dithioketal derivative and its use
as medicinal fungicide

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS
TI Resolution of some chiral mandelic acid derivatives into enantiomers by
reversed-phase high-performance liquid chromatography via .alpha.- and
.beta.-cyclodextrin inclusion complexes

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

TI Optical antipode mixtures. V. Substituted mandelic acids

=> d 110 1-4 ti fbib abs

L10 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of optically active 2-chloromandelic acid and its intermediate

diastereomer salts

AN 2001:192019 CAPLUS

DN 134:237304

TI Preparation of optically active 2-chloromandelic acid and its intermediate

diastereomer salts

IN Noda, Hirofumi; Sakai, Kenichi; Murakami, Naomichi

PA Yamakawa Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001072644	A2	20010321	JP 1999-251809	19990906

OS MARPAT 134:237304

AB Title compd. (I) is prepd. by treating (RS)-I with optically active $R_1C_6H_4CHMeNHCH_2C_6H_3R_2R_3$ ($R_1, R_2 = H, Me, OMe, OH, Cl, NO_2$; $R_3 = H, Me, OMe, OH, Cl, Br, NO_2$) in reaction medium, sepg. diastereomer salt, and decomp. the salt. (RS)-I was treated with (R)-N-benzyl-1-phenethylamine (II) in iso-Pr acetate under heating and cooled in the presence of (R)-I.II salt seed crystal to give 90.4% (R)-I.II salt, which was decompd.

with aq. HCl to give 90.0% (R)-I with 100% ee.

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of optically active ketene dithioketal derivative and its use as medicinal fungicide

AN 1991:185474 CAPLUS

DN 114:185474

TI Preparation of optically active ketene dithioketal derivative and its use as medicinal fungicide

IN Seo, Akira; Hiraga, Kunikazu; Omi, Tetsuto

PA Nihon Nohyaku Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

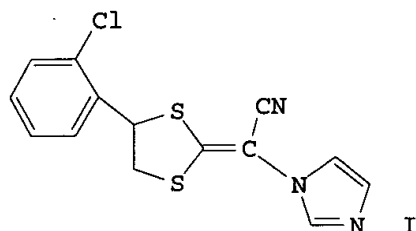
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 02275877	A2	19901109	JP 1989-333097	19891222
	JP 3030780	B2	20000410		
				JP 1988-334623	A119881229

OS MARPAT 114:185474

GI



AB Title compd. [(R)-(+)-I] is prepd. by treatment of (S)-(+)-2-chlorophenylethylene glycol (II) with RCl (R = MeSO₂, p-toluenesulfonyl, PhSO₂) and treatment of the resulting (+)-disulfonates with (MS)₂C:CR₁CN (M = alkali metal; R₁ = 1H-imidazol-1-yl). Condensation of II (prepn. given) with MeSO₂Cl in CH₂Cl₂ in the presence of Et₃N gave 84.5% (S)-(+)-1,2-dimesyloxy-1-(2-chlorophenyl)ethane (III). 1-Cyanomethylimidazole was treated with CS₂ and KOH in DMSO at room temp. for 1 h and treated with III at room temp. for 2.5 h to give 50.1% (R)-(+)-I, which show min. inhibitory concn. of 0.0055 .mu.g/mL and 25.0 .mu.g/mL against Trichophyton mentagrophytes IFO-5810 and Candida albicans

IFO-1270, resp., vs. 0.0078 .mu.g/mL and 25.0 .mu.g/mL, for (RS)-I, and vs. 1 .mu.g/mL and >50.0 .mu.g/mL, for (S)-(-)-I, resp. A liq. prepn. was formulated contg. 1 part (R)-(+)-I and 99 parts polyethylene glycol.

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

TI Resolution of some chiral mandelic acid derivatives into enantiomers by reversed-phase high-performance liquid chromatography via .alpha.- and .beta.-cyclodextrin inclusion complexes

AN 1984:174374 CAPLUS

DN 100:174374

TI Resolution of some chiral mandelic acid derivatives into enantiomers by reversed-phase high-performance liquid chromatography via .alpha.- and .beta.-cyclodextrin inclusion complexes

AU Debowski, Janusz; Jurczak, Janusz; Sybilska, Danuta

CS Inst. Phys. Chem., Pol. Acad. Sci., Warsaw, 01-224, Pol.

SO J. Chromatogr. (1983), 282, 83-8

CODEN: JOCRAM; ISSN: 0021-9673

DT Journal

LA English

AB Of the title compds. examd., RC₆H₄CH(OH)CO₂H (I; R = 2-MeO, 2-Me, 2-OH, 3-OH, 4-OH, 2-Cl, 3-Cl), only the Cl derivs. showed high enantioselectivity in complex formation with .beta.-cyclodextrin. In contrast, the enantioselectivity for complex formation between .alpha.-cyclodextrin and I was low.

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

TI Optical antipode mixtures. V. Substituted mandelic acids

AN 1974:412988 CAPLUS

DN 81:12988

TI Optical antipode mixtures. V. Substituted mandelic acids

AU Collet, Andre; Jacques, Jean

CS Lab. Chim. Org. Horm., Coll. France, Paris, Fr.

SO Bull. Soc. Chim. Fr. (1973), 12, Pt. 2, 3330-4

CODEN: BSCFAS

DT Journal

LA French

AB All position isomers of RC₆H₄CH(OH)-CO₂H (R = Br, Cl, F) were prepd. and

resolved. R-(-) and S-(+) configurations were established for the antipodes by chem. correlation, CD, and fusion diagrams. Enthalpies and entropies of fusion were detd. for racemates and antipodes.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
39.56	44.03

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-4.96	-4.96

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:12:25 ON 24 JAN 2002

L Number	Hits	Search Text	DB	Time stamp
1	879940	crystal\$	USPAT; EPO; JPO; DERWENT	2002/01/24 12:06
2	248071	benzene	USPAT; EPO; JPO; DERWENT	2002/01/24 12:06
3	372	phenyllactic	USPAT; EPO; JPO; DERWENT	2002/01/24 12:06
4	59650	nitrile	USPAT; EPO; JPO; DERWENT	2002/01/24 12:06
5	199469	enzym\$	USPAT; EPO; JPO; DERWENT	2002/01/24 12:06
6	930	hydroxyacid	USPAT; EPO; JPO; DERWENT	2002/01/24 12:06
7	378	("562/470").CCLS.	USPAT; EPO; JPO; DERWENT	2002/01/24 12:06
8	0	("111 and 113").PN.	USPAT; EPO; JPO; DERWENT	2002/01/24 12:06
15	208	chloromandelic adj acid	USPAT; EPO; JPO; DERWENT	2002/01/24 12:07
16	111	crystal\$ and (chloromandelic adj acid)	USPAT; EPO; JPO; DERWENT	2002/01/24 12:07
17	227495	toluene	USPAT; EPO; JPO; DERWENT	2002/01/24 12:07
18	95	toluene and (crystal\$ and (chloromandelic adj acid))	USPAT; EPO; JPO; DERWENT	2002/01/24 12:08
19	5052	optically adj pure	USPAT; EPO; JPO; DERWENT	2002/01/24 12:08
22	4702	mandelic adj acid	USPAT; EPO; JPO; DERWENT	2002/01/24 12:08
23	49199	tumor	USPAT; EPO; JPO; DERWENT	2002/01/24 12:08
9	10	chloromandelonitrile	USPAT; EPO; JPO; DERWENT	2002/01/24 12:08
10	4	crystal\$ and chloromandelonitrile	USPAT; EPO; JPO; DERWENT	2002/01/24 12:08
11	2	benzene and (crystal\$ and chloromandelonitrile)	USPAT; EPO; JPO; DERWENT	2002/01/24 12:12
12	2	("5714357").PN.	USPAT; EPO; JPO; DERWENT	2002/01/24 12:08
13	41	phenyllactic and nitrile	USPAT; EPO; JPO; DERWENT	2002/01/24 12:08
14	30	(phenyllactic and nitrile) and enzym\$	USPAT; EPO; JPO; DERWENT	2002/01/24 12:08
20	9	(toluene and (crystal\$ and (chloromandelic adj acid))) and (optically adj pure)	USPAT; EPO; JPO; DERWENT	2002/01/24 12:09
21	7	2-chloromandelic adj acid	USPAT; EPO; JPO; DERWENT	2002/01/24 12:30

24	519	(mandelic adj acid) and tumor	USPAT; EPO; JPO; DERWENT	2002/01/24 12:09
25	127	(mandelic adj acid) and hydroxyacid	USPAT; EPO; JPO; DERWENT	2002/01/24 12:09
26	78	oxynitrilase	USPAT; EPO; JPO; DERWENT	2002/01/24 12:13
27	2	(chloromandelic adj acid) and oxynitrilase	USPAT; EPO; JPO; DERWENT	2002/01/24 12:14
28	1	63219388.pn.	USPAT; EPO; JPO; DERWENT	2002/01/24 12:23
29	1429239	optical purity	USPAT; EPO; JPO; DERWENT	2002/01/24 12:24
30	3	5223416.URPN.	USPAT; EPO; JPO; DERWENT	2002/01/24 12:28
31	23737	enrichment	USPAT; EPO; JPO; DERWENT	2002/01/24 12:30
32	3	(chloromandelic adj acid) and enrichment	USPAT; EPO; JPO; DERWENT	2002/01/24 12:30

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1	87994 0	crystal\$	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:06		Truncation Overflow. Return string from Server is: 5`0`0`CRY
2	BRS	L2	24807 1	benzene	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:06		
3	BRS	L3	372	phenyllactic	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:06		
4	BRS	L4	59650	nitrile	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:06		
5	BRS	L5	19946 9	enzym\$	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:06		Truncation Overflow. Return string from Server is: 5`0`0`ENZ
6	BRS	L6	930	hydroxyacid	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:06		
7	IS&R	L7	378	("562/470").CCLS.	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:06		
8	IS&R	L8	0	("l11 and l13").PN.	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:06		
9	BRS	L15	208	chloromandelic adj acid	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:07		
10	BRS	L16	111	crystal\$ and (chloromandelic adj acid)	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:07		Truncation Overflow. Return string from Server is: 5`0`0`CRY

	Err ors
1	1
2	0
3	0
4	0
5	1
6	0
7	0
8	0
9	0
10	1

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
11	BRS	L17	22749 5	toluene	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:07		
12	BRS	L18	95	toluene and (crystal\$ and (chloromandelic adj acid))	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:08		Truncation Overflow. Return string from Server is: 5`227495`
13	BRS	L19	5052	optically adj pure	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:08		
14	BRS	L22	4702	mandelic adj acid	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:08		
15	BRS	L23	49199	tumor	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:08		
16	BRS	L9	10	chloromandelonitrile	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:08		
17	BRS	L10	4	crystal\$ and chloromandelonitrile	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:08		Truncation Overflow. Return string from Server is: 5`0`0`CRY
18	BRS	L11	2	benzene and (crystal\$ and chloromandelonitrile)	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:12		Truncation Overflow. Return string from Server is: 5`248071`
19	IS&R	L12	2	("5714357").PN.	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:08		
20	BRS	L13	41	phenyllactic and nitrile	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:08		

	Err ors
11	0
12	1
13	0
14	0
15	0
16	0
17	1
18	1
19	0
20	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
21	BRS	L14	30	(phenyllactic and nitrile) and enzym\$	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:08		Truncation Overflow. Return string from Server is: 5`372`852
22	BRS	L20	9	(toluene and (crystal\$ and (chloromandelic adj acid))) and (optically adj pure)	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:09		Truncation Overflow. Return string from Server is: 5`227495`
23	BRS	L21	7	2-chloromandelic adj acid	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:30		
24	BRS	L24	519	(mandelic adj acid) and tumor	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:09		
25	BRS	L25	127	(mandelic adj acid) and hydroxyacid	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:09		
26	BRS	L26	78	oxynitrilase	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:13		
27	BRS	L27	2	115 and 126	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:14		
28	BRS	L28	1	63219388.pn.	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:23		
29	BRS	L29	14292 39	optical purity	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:24		
30	BRS	L30	3	5223416.URPN.	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:28		

	Err ors
21	1
22	1
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
31	BRS	L31	23737	enrichment	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:30		
32	BRS	L32	3	115 and 131	USPAT ; EPO; JPO; DERWE NT	2002/01/24 12:30		

	Err ors
31	0
32	0